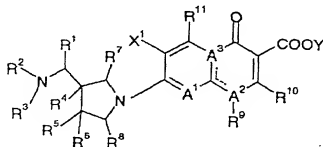


ABSTRACT

This invention provides a quinolone derivative having potent antibacterial activity against various bacteria including drug-resistant strains which is a compound of the following formula wherein R¹ is an optionally substituted aromatic group, a salt of the same or a hydrate of both.



In the formula, R², R³: hydrogen atom, an alkyl group; R⁴, R⁵, R⁶: hydrogen atom, hydroxyl group, a halogen atom, carbamoyl group, an alkyl group, an alkoxy group, an alkylthio group; R⁷, R⁸: hydrogen atom, an alkyl group; R⁹: an alkyl group, an alkenyl group, a halogenoalkyl group, a cyclic alkyl group, an aryl group, a heteroaryl group, an alkoxy group having from 1 to 6 carbon atoms, an alkylamino group; R¹⁰: hydrogen atom, an alkylthio group; R¹¹: hydrogen atom, amino group, hydroxyl group, thiol group, a halogenomethyl group, an alkyl group, an alkenyl group, an alkynyl group, an alkoxy group; X¹: halogen atom, a hydrogen atom; A¹: nitrogen atom, C-X²; X²: hydrogen atom, amino group, a halogen atom, cyano group, an halogenomethyl group, a halogenomethoxy group, an alkyl group, an alkenyl group, an alkynyl

group, an alkoxy group; A^2, A^3 : $>C=C(-A^1)-N(-R^3)-$, $>N-C(-A^1)=C(-R^3)-$;
 R^{10} and R^9 or R^9 and X^2 may be integrated to form a ring structure;
 and Y: hydrogen atom, ester forming group.